(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 1 July 2004 (01.07.2004)

PCT

(10) International Publication Number WO 2004/055920 A2

(51) International Patent Classification7:

H01L 51/20

(21) International Application Number:

PCT/GB2003/005435

(22) International Filing Date:

12 December 2003 (12.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(D)

(30) Priority Data: 0229191.2

14 December 2002 (14.12.2002) GB

(71) Applicant (for all darignated States except US): PLAS-TIC LOGIC LIMITED [GB/GB]; 34 Cambridge Science Park, Milton Road, Cambridge CB4 0FX (GB).

(72) Inventors; and

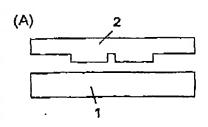
(75) Inventors/Applicants (for US only): BROWN, Thomas,

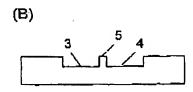
Meredith [OB/GB]: 26 Willow Walk, Cambridge CB1 1LA (GB). SURRINGHAUS, Henning [DH/GB): 73 Whitwell Way, Coton, Cambridge CB3 7PW (GB).

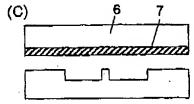
- (74) Agents: EVANS, Marc, Nigel et al.; Page White & Parror, 54 Doughty Street, London WC1N 2LS (GB).
- (81) Designated States (national): AH, AG, AI, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DB, DK, DM, DZ, EC, EB, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO parent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TI, TM). European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, BS, FI, FR, GB, GR, HU, IE. IT, LU, MC, NL, PT, RO, SE,

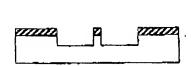
[Continued on next page]

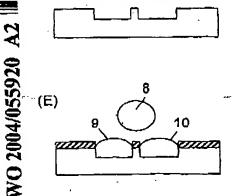
(54) Title: ELECTRONIC DEVICES

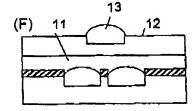












(57) Abstract: A method for forming an electronic device in a multilayer structure comprising the steps of: defining a topographic profile in a laterally extending first layer; depositing at least one non-planarizing layer on top of the first layer such that the topographic profile of the surface of the or each non-plenarizing layer conforms to that of the laterally extending first layer, and depositing a pettern of at least one additional layer onto the top-most non-plenerizing layer, such that the lateral location of the additional layer is defined by the shape of the topographic profile of the non-planarizing layer, and whereby the additional layer is laterally aligned with the topographic profile in the first leyer.